MEYER BURGER

Meyer Burger White

Heterojunction Module

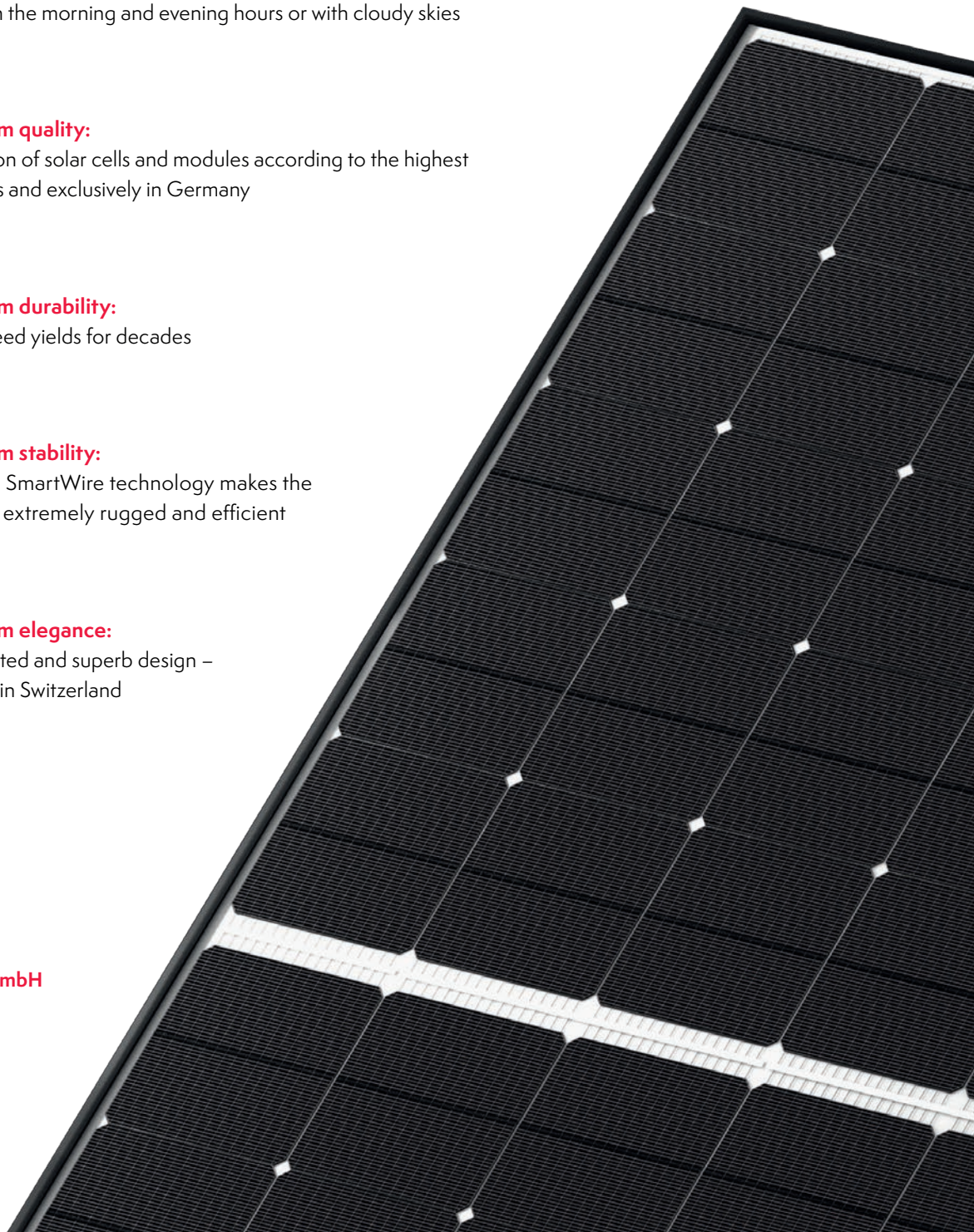
Maximum performance:
Up to 20 percent more energy yield – even in low-light conditions, such as in the morning and evening hours or with cloudy skies

Maximum quality:
Production of solar cells and modules according to the highest standards and exclusively in Germany

Maximum durability:
Guaranteed yields for decades

Maximum stability:
Patented SmartWire technology makes the modules extremely rugged and efficient

Maximum elegance:
Understated and superb design – invented in Switzerland



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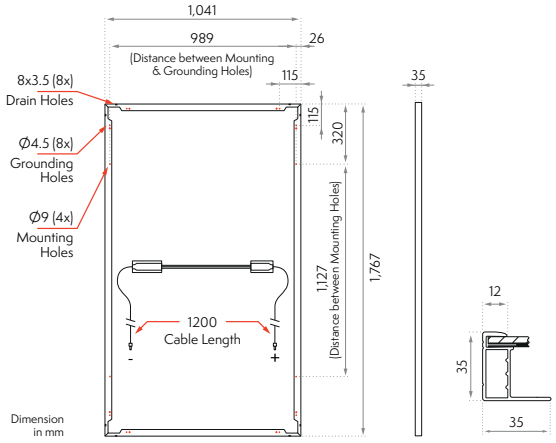
MEYER BURGER

MECHANICAL SPECIFICATION

Dimensions [mm]	1,767 x 1,041 x 35
Weight [kg]	19.7
Front glass	Solar glass, 3.2 mm, with anti-reflective surface
Back glass	High-barrier construction, white
Frame	Anodized aluminum (black)
Solar cell type	120 half-cut, mono n-Si, HJT
Junction boxes	3 diodes, IP68 rated, in accordance with IEC 62790
Cable	PV cable 4 mm², 1.2 m length, in accordance with EN 50618
Connectors	MC4, in accordance with IEC 62852, IP68 rated only when connected



ELECTRICAL SPECIFICATION[1]

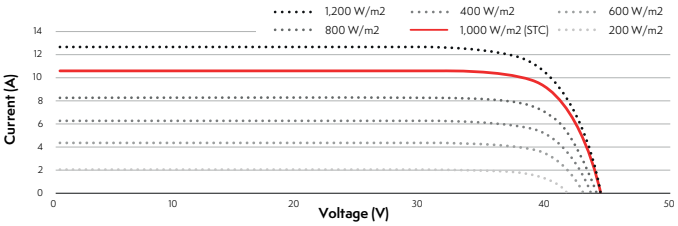
Power class in STC[2] [W_p]			380		385		390		395		400	
Minimum Performance (Power Tolerance –0 W/+5 W)		**[W_p]**	**STC**	NMOT[3]	**STC**	NMOT	**STC**	NMOT	**STC**	NMOT	**STC**	NMOT
Minimum	Power at MPP	P_{mpp}	[W]	380	291	385	294	390	299	395	301	400	306
	Short Circuit Current	I_{sc}	[A]	10.8	8.7	10.9	8.8	10.9	8.8	11.0	8.9	11.1	9.0
	Open Circuit Voltage	V_{oc}	[V]	44.4	41.8	44.5	41.9	44.5	41.9	44.6	42.0	44.7	42.1
	Current at MPP	I_{mpp}	[A]	10.3	8.3	10.3	8.3	10.4	8.4	10.4	8.4	10.5	8.5
	Voltage at MPP	V_{mpp}	[V]	37.2	35.1	37.6	35.4	37.8	35.6	38.0	35.8	38.2	36.0
	Efficiency	η	[%]	20.7		20.9		21.2		21.5		21.7	

Temperature Coefficients

Temperature Coefficient of I_{SC}	α	[%/°C]	+0.033
Temperature Coefficient of V_{OC}	β	[%/°C]	-0.234
Temperature Coefficient of P_{MPP}	γ	[%/°C]	-0.259
Nominal Module Operating Temperature	NMOT[3]	[%/°C]	44±2

The temperature coefficients stated are linear values

Performance at different irradiance



PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	15
Max. Test Load +/-, (incl. Safety Factor of 1.5)	[Pa]	5,400/2,400
Fire Class (classification pending)	C	
Operation Temperature	°C	-40 to +85

MEYER BURGER WARRANTY

Product Warranty [y]	25
Power Warranty [y]	25
Power after 1 year	≥98% of initial power
Annual Degradation [%/y]	0.25
Power after 25 years	≥92% of initial power

Warranty conditions apply

CERTIFICATES

Certifications (pending)
IEC 61215:2016, IEC 61730:2016
Certifications (to come)
UL61730-1, UL 61730-2, PID (IEC 62804), Salt Mist (IEC 61701), Ammonia Resistance (IEC 62716), Dynamical Mechanical Load (IEC, 62782:2016), Dust & Sand (IEC 60068)

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Notice: All data and specifications are preliminary and subject to change without notice.

[1] Measurement according to IEC 60904-3, measurement tolerance: ±3%, monofacial measurement with rear side covered
[2] STC: Irradiance 1000 W/m2, 25 °C, AM1.5 Spectrum
[3] NMOT: Nominal Module Operating Temperature, with irradiance 800 W/m², AM1.5 Spectrum, 20 °C, wind speed 1 m/s

As of: May 2021 – Version 1.0.0